## **CLAIMS**

1.	A door opener-closer,	comprising
----	-----------------------	------------

a door handle;

a flexible antenna including a magnetic body core made of a soft magnetic body, received in the door handle and serving as a transmitter-receiver communicating with a portable device;

a handle body having a backface side formed with a cover receiver;

a cover handle united with the antenna and made of a plastic resin, the cover handle mating with the cover receiver in such a manner as to be held by the cover receiver; and

a sensor for sensing at least one of the followings which are implemented by an operator carrying the portable device:

approaching a door,

contacting the door, and

operating the door,

to thereby allow the transmitter-receiver and the portable device to communicate with each other, thus locking or unlocking the door.

20 2. The door opener-closer as claimed in claim 1, wherein

the cover handle has a first end side and a second end side respectively provided with a first engagement protrusion and a second engagement protrusion,

the cover receiver has a first end side and a second end side respectively provided with a first engagement and a second engagement, and

- the first engagement protrusion and the second engagement protrusion are respectively engageable with the first engagement and the second engagement.
- 3. The door opener-closer as claimed in claim 1, wherein the sensor is united with the antenna.

4. The door opener-closer as claimed in claim 2, wherein the sensor is united with the antenna.

5. The door opener-closer as claimed in claim 1, wherein the door handle is applied to an outside door handle device for a vehicle.

25

10

15

30

35

	6.	A door handle, comprising:
		a grip for operating a door;
		a plastic antenna communicating with a portable device for operating a lock
gear of the door; and		
		an engagement gear for engaging the grip with the plastic antenna.

- 7. The door handle as claimed in claim 6, wherein the antenna includes:
- a flexible base for covering the grip, and a plastic magnetic body united with the flexible base.
- 8. The door handle as claimed in claim 7, wherein the antenna includes a protrusion extending from the flexible base, and the grip includes a nail extending toward the door and engaged with the protrusion.
- 9. A keyless entry system, comprising:
  a door handle for operating a door;
  a lock gear for locking the door; and
  a controller for operating the lock gear, the controller including:
  a portable device,
  a plastic antenna communicating with the portable device, and
  an engagement gear for engaging the antenna with the door handle.

25

5